

BALTECO



ATRIUM_ USER MANUAL

SAFETY INSTRUCTIONS

During installation all appropriate official regulations and requirements of the installation manual should be followed. Before installing and using the cabin, carefully read through this manual. The manufacturer is not liable when an accident or damage is caused by negligence or failure to fulfil the requirements presented in this manual, or by use of the cabin in conditions different from those indicated on the data plate (located on the cover of the electronic unit). The manufacturer is also not liable for damage caused by unpurposeful use of the cabin and violation of conditions of transportation and storage.

NOTE! Separate electrical appliances producing steam or humidity are not to be used inside the cabinet

NOTE! If the supply cord of the appliance is damaged, it must be replaced by the qualified persons in order to avoid hazard.

NOTE! In case of malfunction or abnormal functioning of any device, the unit should be disconnected from the mains and a specialist of technical maintenance to be called in. The use of the cabin in case of malfunction is strictly forbidden. When the power is on it is strictly forbidden to open the devices of the unit, incl. the panel, or to use the unit.

NOTE! After using the cabin, make sure that the mixer and the water flow are safely turned off.

WARNING: Only allow children to use the appliance without supervision when adequate instructions have been given so that the child is able to use the appliance in a safe way and understands the hazards of improper use.

WARNING: The appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

WARNING: Children being supervised not to play with the appliance.

CONDITIONS OF USE

- The cabin is designed for installation in sanitary and maintenance premises of public buildings and small enterprises, private homes, hotels and other facilities with ambient air temperatures ranging from +15°C to +40°C and relative humidity of up to 85%.
- Installation and maintenance is to be conducted by persons authorised by the manufacturer, or by specialists, the cabin may be operated by regular staff.
- The cabin, its devices, switching and control systems consist of materials and units which have passed type tests.
- The cabin is designed in accordance with requirements of installation class II, and is intended for connection as a fixed installation to a grounded low voltage 230 V general power network with permitted voltage fluctuations ranging from -10% to +5%.
- For normal operation the cabin needs input water at pressure from 2 to 4 bar (200-400kPa). In case of a thermal mixer the pressure difference between cold and hot water should not exceed 2 bar, a cabin with a thermal mixer needs input temperature of cold water from 10°C to 15°C and input temperature of hot water from 50°C to 60°C.
- The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be re-used.
- The cabin has passed functional and dielectric unit tests. On installation to facilities under state supervision (or at the customer's request), pre-delivery and acceptance tests are carried out by a third party in accordance with the requirements of IEC364-7-701.
- The cabin should be stored and transported, following the handling markings on the package, transportation can be carried out in a closed standard vehicle, with packages loaded tightly side by side. The temperature in the storage room should not be below -25°C and above +60°C at average humidity level up to 95%.

STEAM SAUNA FUNCTIONS

Using the steam sauna

To switch on the steam sauna, connected it to the mains supply. When connected to the mains, the number displays indicating the internal temperature of the cabin, are lit on the internal and external side of the panel, and the steam sauna is ready for use. The steam, chromotherapy, fog (tropical rain), Scottish shower, vertical massage and radio functions are controlled from the switch panel shown on the figure. Pressing any button on the panel gives a short beep, pressing a wrong button gives a long beep. The time of continuous operation of the steam cabin after using any of the functions is limited to 2 hours. After this the cabin switches off automatically – in case the user has forgotten to switch off the cabin. To continue using the sauna, the functions need to be switched on again. When keeping button **A** on the switchboard pressed down over 1.5 seconds, all the active functions are switched off.

Steam function

After connection to the mains, the upper display of the control panel will show the temperature inside the cabin (from 20°C). The default temperature set by the manufacturer is 43°C (can be changed), and the maximum temperature is 50°C.

To switch on the steam function, press button **7**, the indicator lights up. After a few minutes the steam jets will start to spray steam. To switch off the steam function, press again button **7**, the indicator will turn off.

To enter a temperature other than 43°C, press button **7** and hold it down until the display will start to blink. Now use '+' and '-' buttons to select the new temperature. After a while the display stops blinking and will show again the temperature in the cabin.

The selected temperature can be changed also while the steam function is active, using the '+' and '-' buttons. Each press will change the temperature by 1°C. The selected temperature will be valid for next times of use, until a new temperature is entered, or the cabin is disconnected from the mains.

If the massage function is switched on at the same time, then pressing the '+' and '-' buttons will change the massage speed.

Note! Depending on ambient conditions in the room there may be situations, in which the actual temperature may somewhat differ from the selected value.

Chromotherapy function

Chromotherapy is operated from button **5** indicated on the figure. You can switch between different colours by pushing the button repeatedly. If the period between two consecutive pushes is longer than 2.5 seconds, the system is switched off. When holding the button down for 2.5 seconds, all colours start to alternate slowly and the indicator on the button lights up.

Selecting the desired colour: a short push on the button stops changing the colours and the indicator will start to blink. With another short push on the button the colours will continue changing and the indicator will stop blinking. If keeping the button pressed down longer, the system is switched off.

Note! The system works continuously for two hours and is then switched off automatically.

Scottish shower function

Press button **6** on the panel. Cold water will start to run from the ceiling shower. The function is active only as long as you hold button **6** down. **Note! It is not possible to adjust water temperature, since the function uses the input water temperature of the cold water in your water system!**

Fog function (tropical rain)

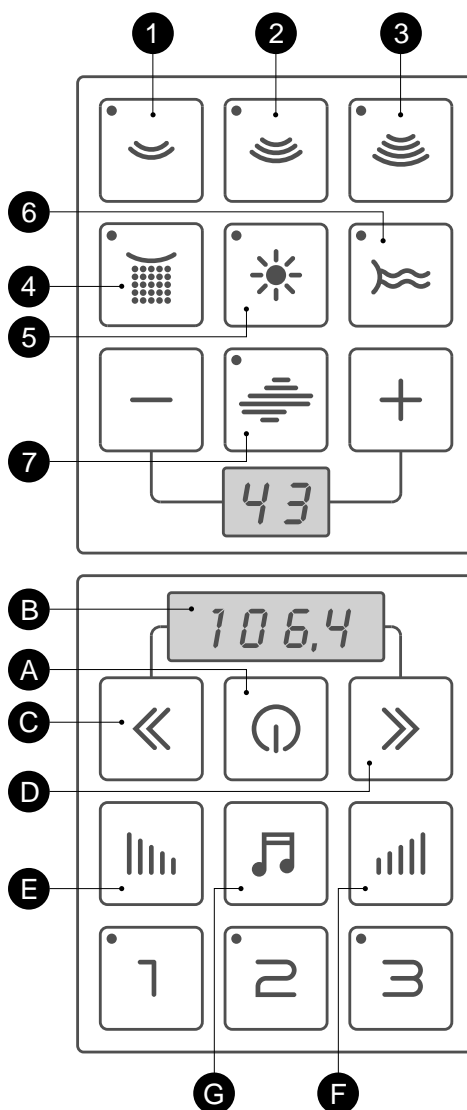
Disk D of the water diverter of the mixer should be in the 'Massage' position of the pictogram and the mixer opened. Select suitable water temperature and then press button **4** on the panel – the indicator will light up and fog jets will start working. To switch off the function, press again button **4**.

Vertical massage function

Select suitable water temperature and turn **disk D** of the water diverter to the 'Massage' position of the pictogram. The mixer should be opened.

1. By pressing button **1**, the indicator lights up - the pairs of jets work in turns from top to bottom. To switch off the mode, press the button of some other mode or press again button **1**, the indicator switches off.

2. By pressing button **2**, the indicator lights up - the pairs of jets work in turns from bottom to top and from top to bottom. To switch off the mode, press the button of some other mode or press again button **2**, the indicator switches off.

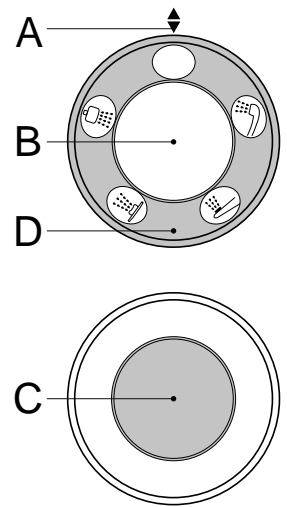
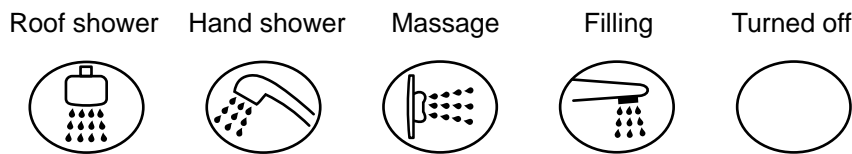


3. By pressing button **3**, the indicator lights up - two pairs of jets work intermittently. To switch off the mode, press the button of some other mode or press again button **3**, the indicator switches off.

The speeds of massage modes **1**, **2** and **3** may be adjusted with '+' and '-' buttons. **Note! Before turning off the thermal mixer make sure that you have turned off the vertical massage.**

Thermostat mixer control

Water temperature can be adjusted by turning the lower mixer **button C**. By turning the diverter **knob B** you can open and close the mixer and adjust the amount of water. You can divert water (positions: roof shower, hand shower, etc) or turn off water (closed position) by pressing down knob B and turning it, until the chosen pictogram on water diverter **disk D** is pointing to the **vertical index A**.



Note! For normal operation the cabin needs input water at pressure from 2 to 4 bar, a cabin with a thermal mixer needs input temperature of cold water from 10°C to 15°C (in case of a thermal mixer the pressure difference between cold and hot water should not exceed 2 bar), and input temperature of hot water from 50°C to 60°C .

Radio

To switch on the radio push button **A** on the switch panel. The number display **B** will show either - - - or a number, showing the frequency the radio is currently tuned in. Push **C** or **D** button. A short push will move the selected frequency by small steps. When holding down the button for more than a second, the radio will start searching the next radio station with a sufficiently strong signal. Repeat the procedure until you have found a station.

Note! Once you have reached either the upper or lower frequency limit, the numbers will not increase. To move back, press on the opposite frequency direction switch.

You can save found stations in memory by pushing **buttons 1 2 3** at the bottom of the panel, until the corresponding indicator lights up. The station will be saved in a respective memory slot.

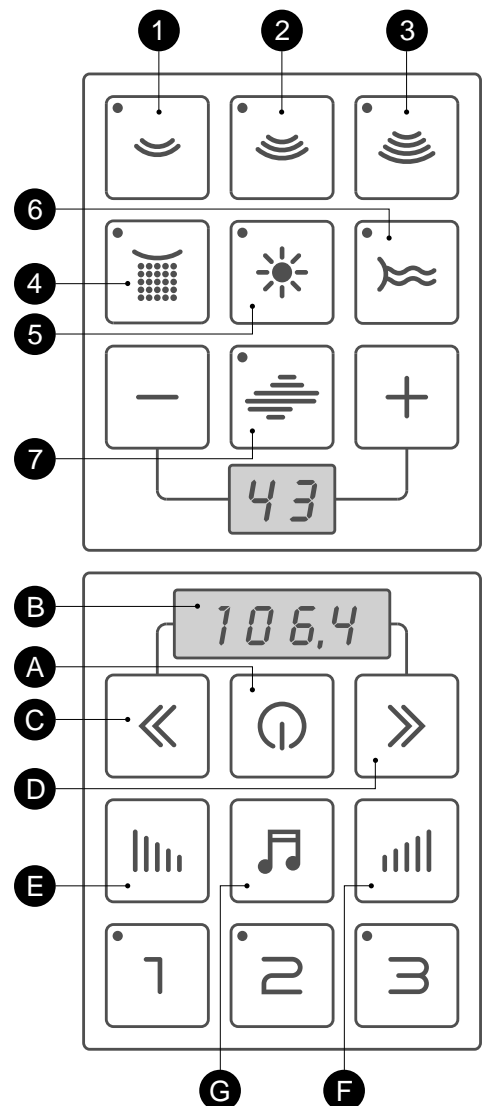
It is possible to save 3 stations in total. When using the cabin at some later point, simply push the button of the respective memory slot and you can listen to the preselected station.

Volume is controlled with two buttons, **E** and **F**, located on the lower part of the switch panel, and the timbre through button **G** (available are 4 different timbre shades).

The Balteco sound booster system can also be connected to an audio system located outside the cabin. This can be a CD or MP3 player, which has a standard line output with Ø 3.5mm socket. The line output should be connected with a Ø 3.5mm stereo line to the socket on the external wall of the cabin.

To switch over from Balteco radio to an external audio system simply push simultaneously buttons **B** and **F** on the radio panel. 'Aud' should light up on the display. Volume is controlled similarly to the radio.

Note! Connection to other outputs (designed for loudspeakers and others) can damage the booster.



CONNECTION TO MAINS

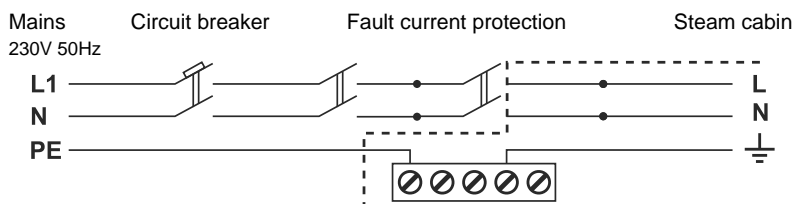
All electrical connection related to the installation of the cabin should be carried out by a professional attested electrician. Connection should be performed, following all local rules and regulations and the load permitted for one phase. The cabins are designed for use in power networks with a neutral conductor and a protective conductor with a permanent connection with a potential equivalent to the neutral conductor (TN-S system). It is prohibited to use the cabin in alternating current systems TT and IT.

Prior to making any electrical connections make sure the line cables are not live. Check that the values on the data panel (located on the cover of the electronic unit) correspond to nominal values.

For the grading of local auxiliary potential, it is important to connect to the grounding terminal of the base framework all remote conductive parts located in the same room:

- Water, gas, sewage and other similar pipes made of metal
- Central heating and air conditioning pipes made of metal
- Metal structures of the building
- Other secondary metal parts, which may accumulate electrical potential
- Protective wires of plugs in the bathroom

Note! When installing the mixer, connect the mixer to the grounding terminal of the base framework by means of a protected copper wire with min. cross-section 2.5mm². The supply circuit of the cabin should be protected with a fault current protection, with tripping current not exceeding 30 mA, and an earth leakage circuit breaker calculated for the consumed current of the cabin.



The steam cabin is connected to the mains with a fixed connection according to the given diagram. The supply cable is connected to the cabin to the plastic box with a transparent cover through a free cable sleeve. When tightening the sleeve, tighten the sleeve around the cable so that visual inspection proves the water-tightness of the connection, also make sure that the cover of the plastic box of the cabin is properly fixed after connecting the cable.

WATER CONNECTIONS

Water connections may be carried out only by an authorised professional, observing all local rules and regulations. Water pressure in the water system may be from 1.5 to 4 bar. In case of a thermal mixer the pressure difference between cold and hot water should not exceed 2 bar, the input temperature of cold water to the cabin should be 10°C to 15°C, and input temperature of hot water from 50°C to 60°C. To ensure normal operation of the steam sauna, mud filters should be installed before the water inlets.

REQUIRED: The cabin must be installed so that it would be possible to turn off water quickly and if possible, without moving the cabin.

STARTING UP THE RADIO

1. Untangle the FM dipolar antenna branches placed by the manufacturer to the roof of the cabin into transport position, and try to find local radio stations, using the search buttons on the switch panel of the radio (see User Manual). By changing the position and direction of the branches of the dipolar antenna, try to find an optimum position with the best audibility and number of received stations. When the result is satisfactory, fix the antenna branches by means of a Velcro tape, but not to metal structures. Connect also the loudspeakers located in the roof.

2. After performing the electrical connections of the cabin, switch on the radio and try to find and save in the memory slots of the radio the respective stations (see User Manual).

3. If the location of the cabin is unfavourable (metal structures in the ceiling and walls, a building with a metal roof, etc.) for the reception of radio programs by means of an indoor antenna, i.e. too few stations are received or the sound quality is poor, use a local FM outdoor antenna or a network. For the connection of the coaxial cable from the latter to the radio, the cabin is supplied with an extra plug. This work should be carried out by a professional.

4. The column is fitted with a 3.5 mm audio socket for external audio equipment (CD, MP3, etc.)

5. Switching between the radio and an external audio equipment is performed from the control panel of the cabin, following the instructions in the User Manual.

6. The manufacturer is not liable for the sound quality of the radio, if the above-named requirements are not met

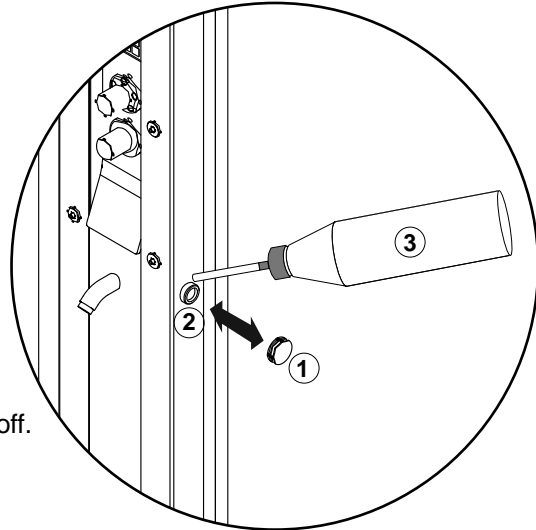
MAINTENANCE

The temperature of water may not exceed +60°C. The cabin can be cleaned, using a soft cloth and liquid detergents, if necessary. Washing powder, abrasive-cleaning mixes, rough materials and solvents are not suitable for cleaning. During mechanical maintenance works the cabin has to be electrically disconnected.

Anti scale treatment

After approximately 40 hours of using the steam cabin, or when the switch display gives the error message "E 2", it is necessary to maintain the steam generator with an anti-limescale product. You may use the special anti-limescale product by Balteco, or any other analogous product available on the market. For maintenance, fill the special bottle (**Pos. 3**) in the product kit with the anti-limescale product. Remove the cap (**Pos. 1**) from the maintenance opening (**Pos. 2**). Pour the bottle ingredients (ca. 0.5 litres) carefully into the opening and close the cap. Let the product function for at least 2 hours. Then, briefly switch on the steam function. If steam is expelled, turn the steam function off. The steam cabin is again ready for use.

NB! If the error message "E 2" is still displayed after this procedure then repeat this procedure.



SPECIFICATIONS

Electrical equipment

- Voltage: 230 V
- Frequency: 50 Hz
- Rated power: 3100 W
- Rated current: 13.5 A

Audio system with radio

- Output power: 2 x 3 W
- Frequency range: 88-108 Hz

Installation height: 235/245 cm

System: Atrium S4



www.balteco.com